

FIG. 1

(PRIOR ART)

N_{SAV}: Normal to Surface Adjacent to a Vortex
N_{ME}: Normal to Mixing Element
F: Direction of fluid flow
C: Centroid of mixing element

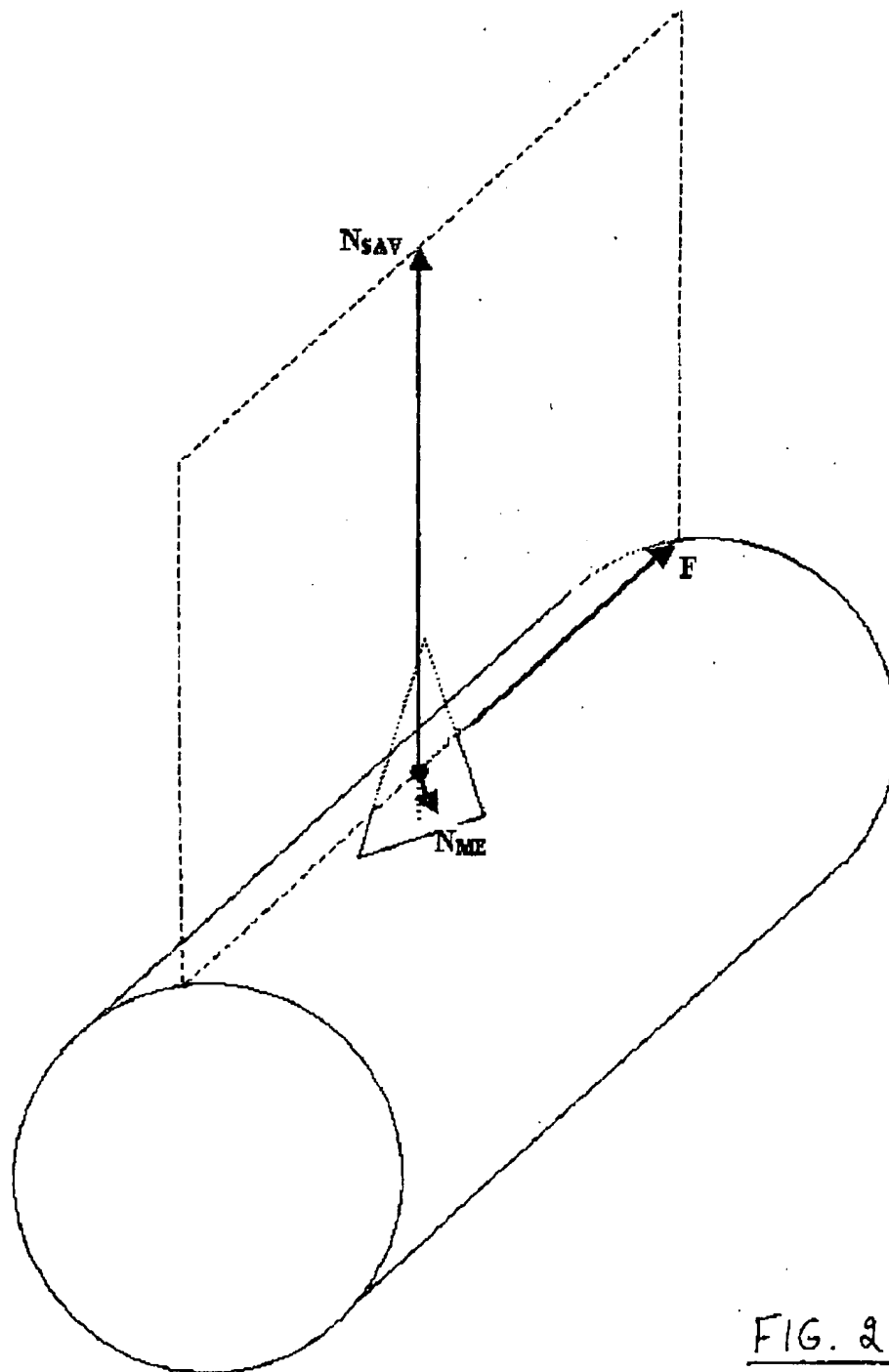


FIG. 2

N_{SAV} : Normal to Surface Adjacent to a Vortex
 N_{MDs} : Normal to Mixing Device Surface
 F : Direction of fluid flow
 \bullet : Centroid of mixing device

Figure 3

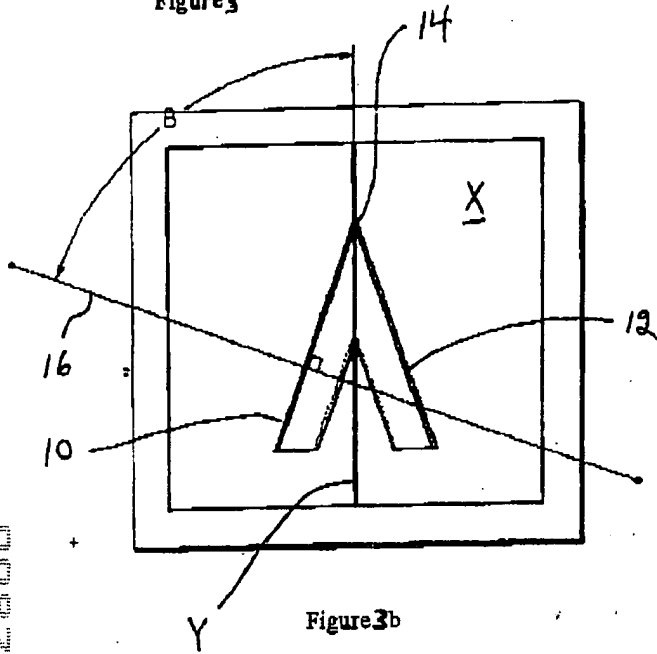


Figure 3b

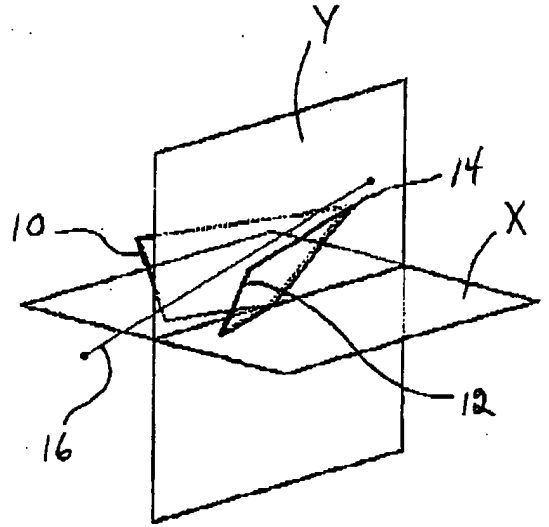


Figure 3a

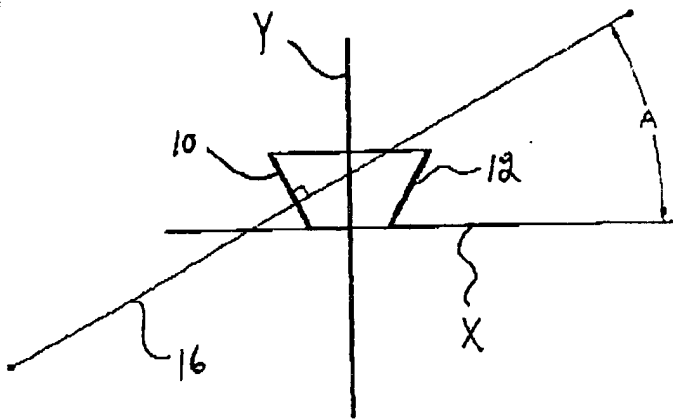


Figure 3c

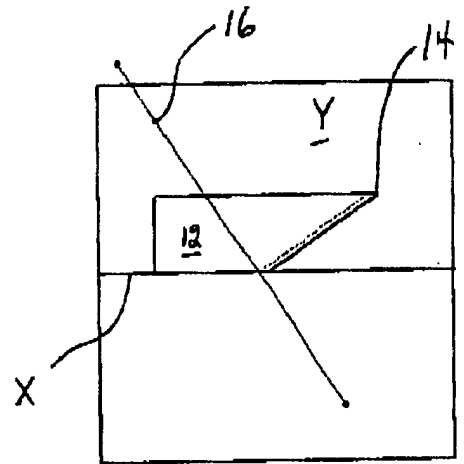


Figure 3d

FIG. 4

FIG. 5

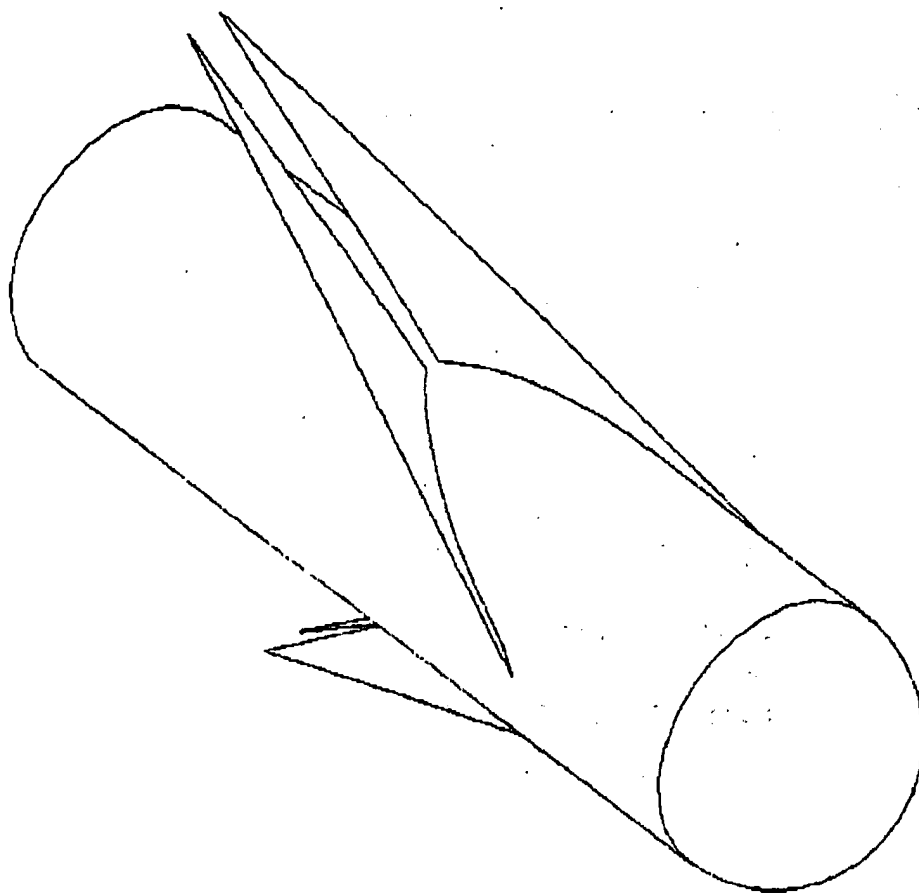


FIG. 6

FIG. 6

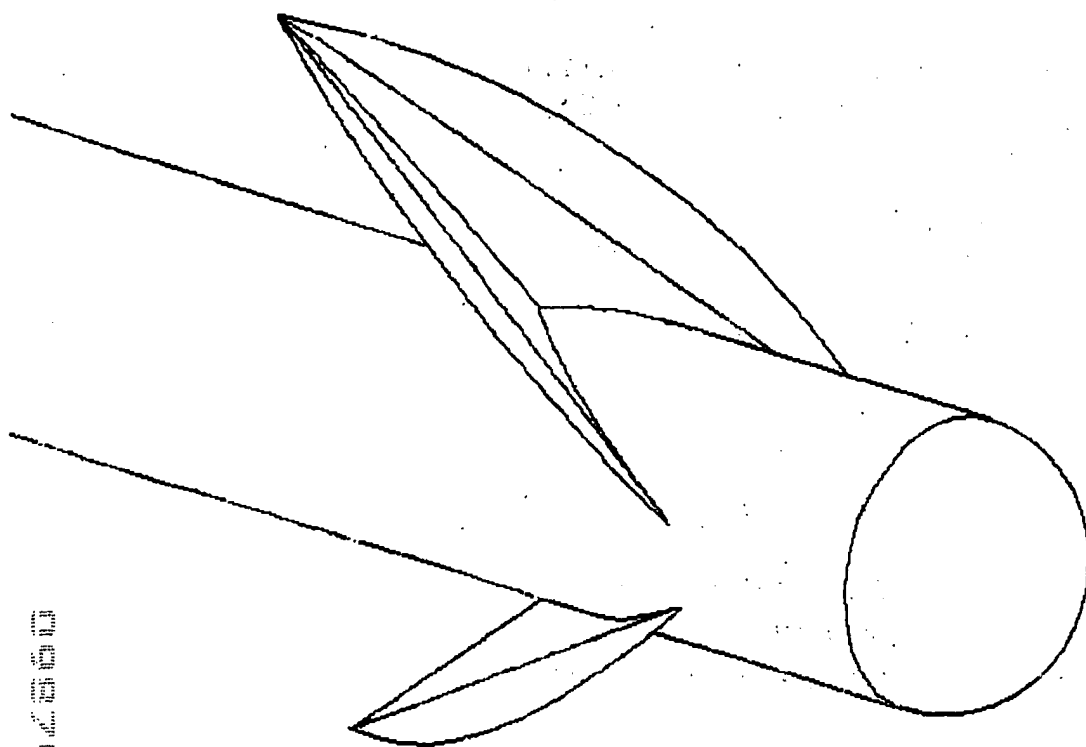


FIG. 7

FIG. 7

FIG. 8

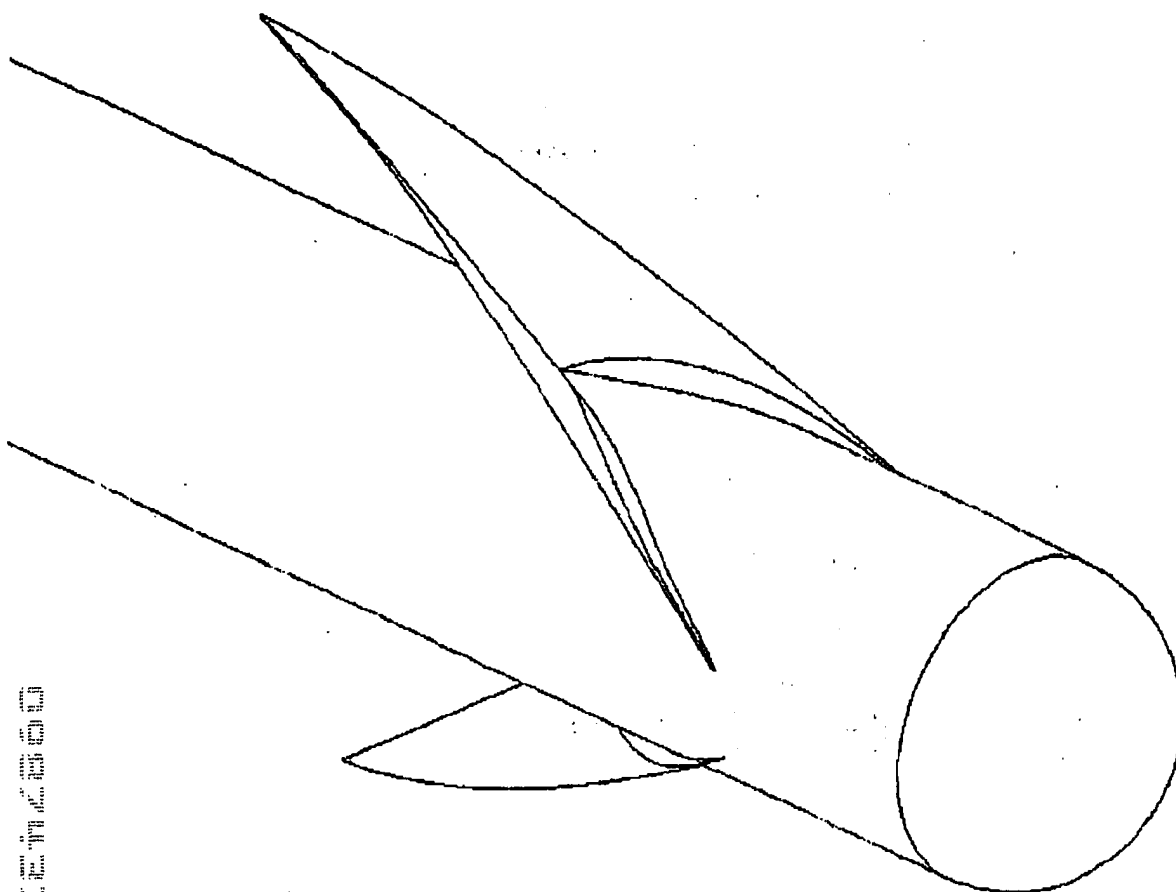


FIG. 8

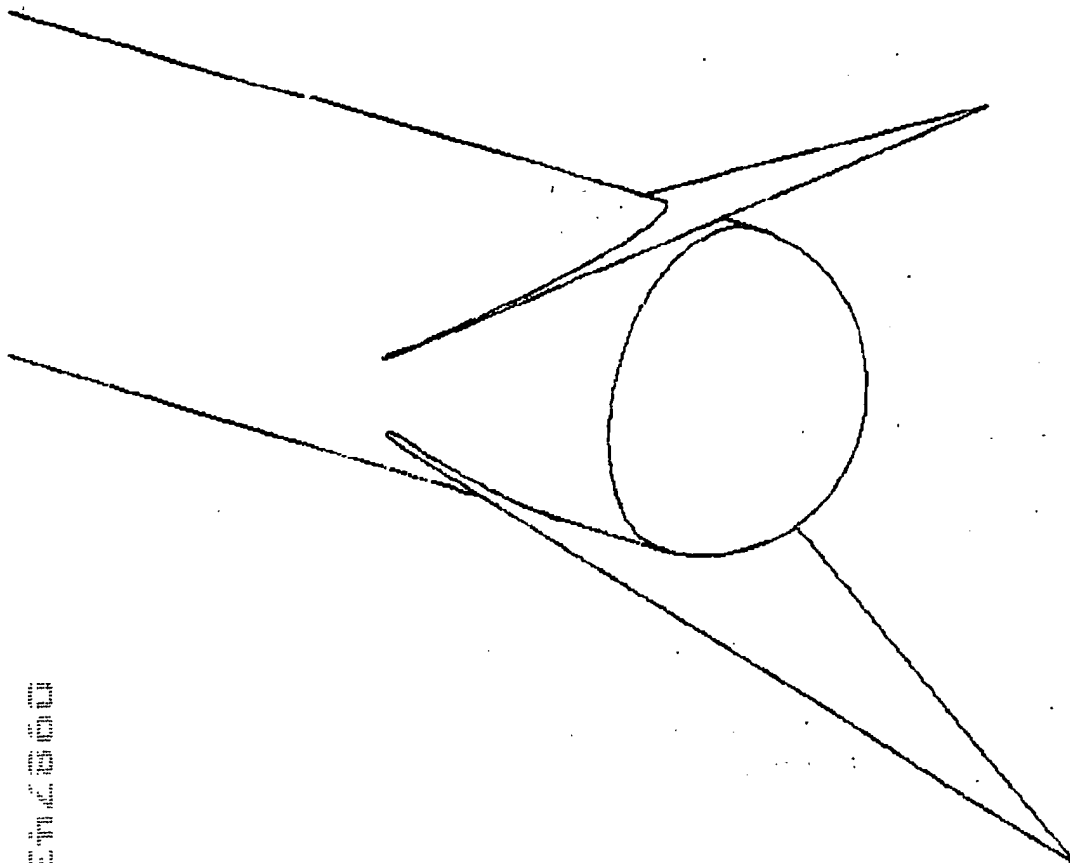


FIG. 9

FIG. 9

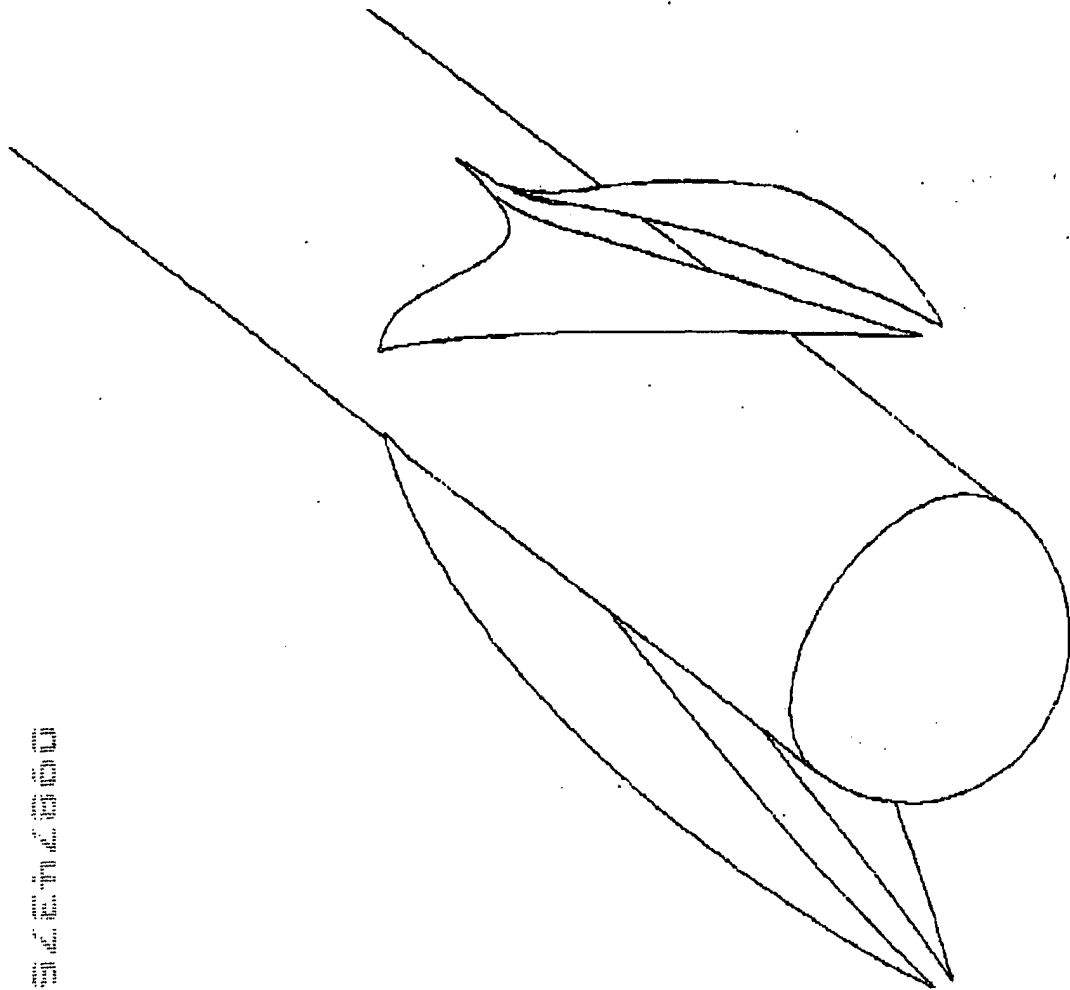


FIG. 10

FIG. 10

FIG. 11

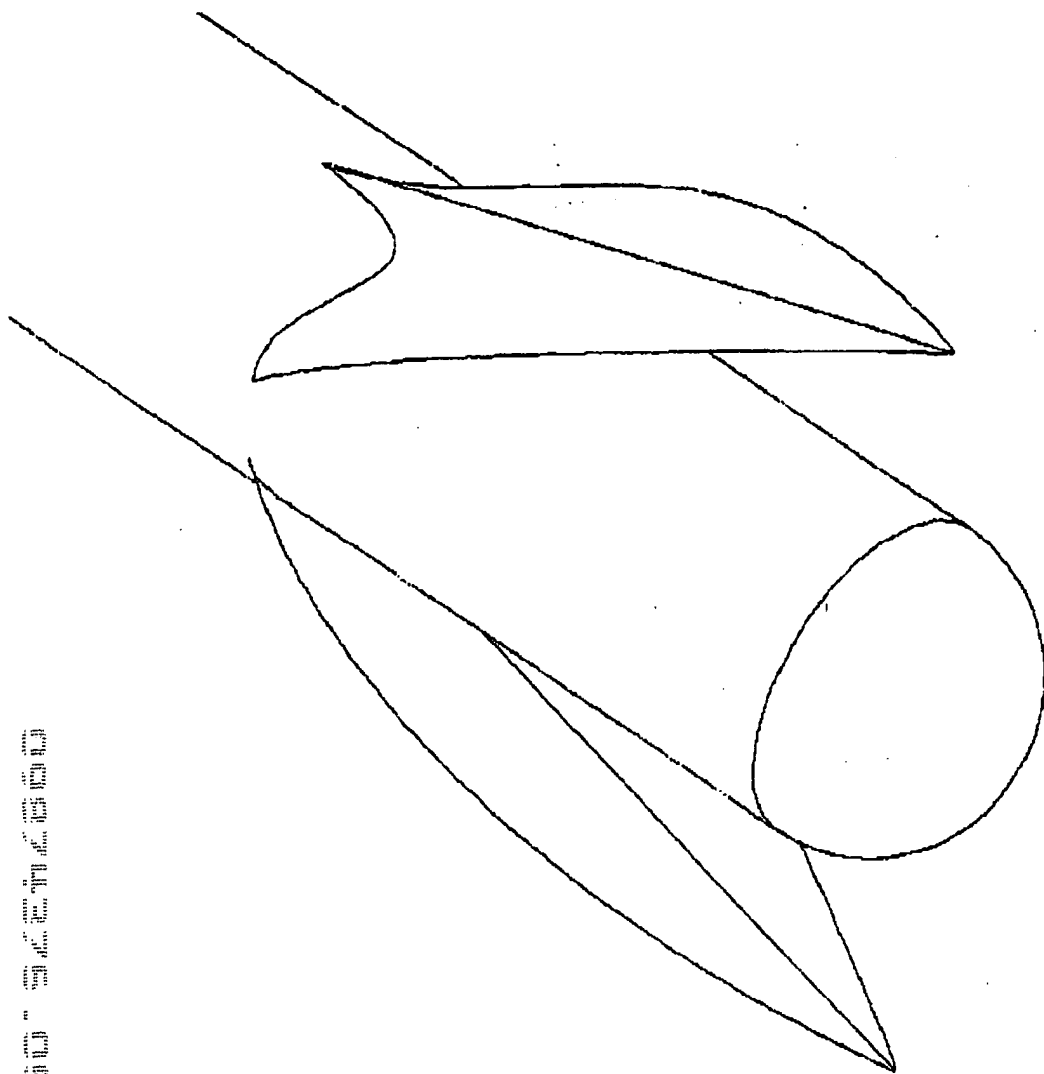


FIG. 11

FIG. 13

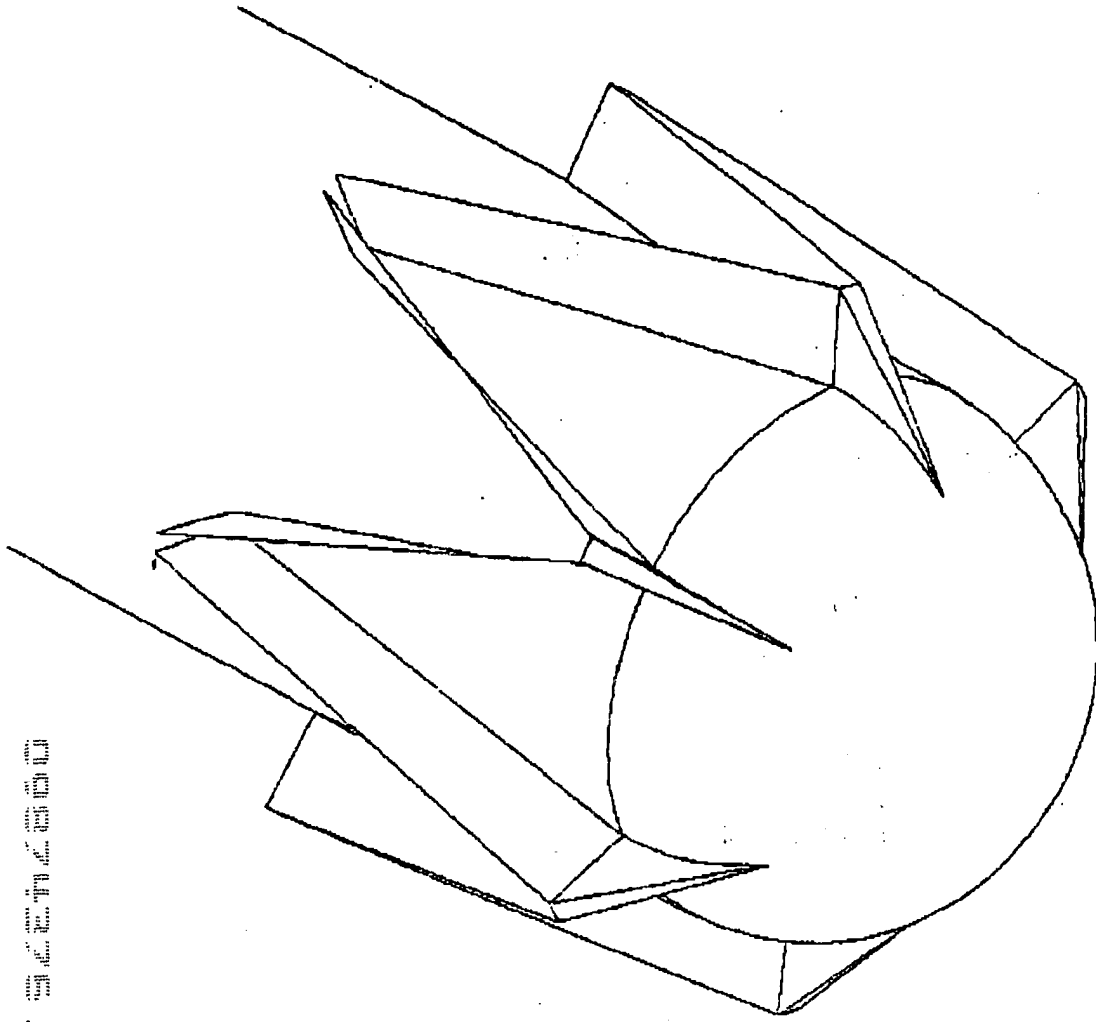


FIG. 13

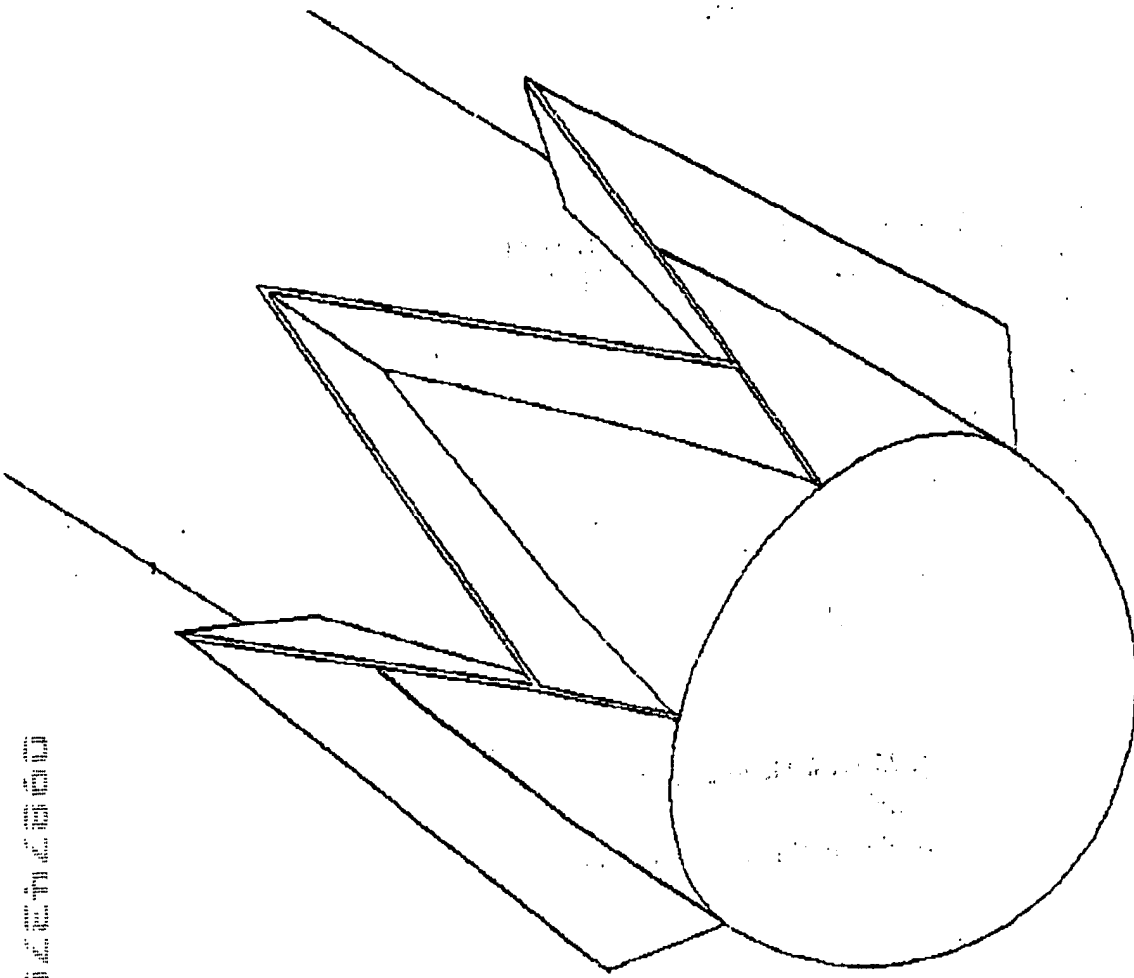


FIG. 14

FIG. 14

FIG. 16

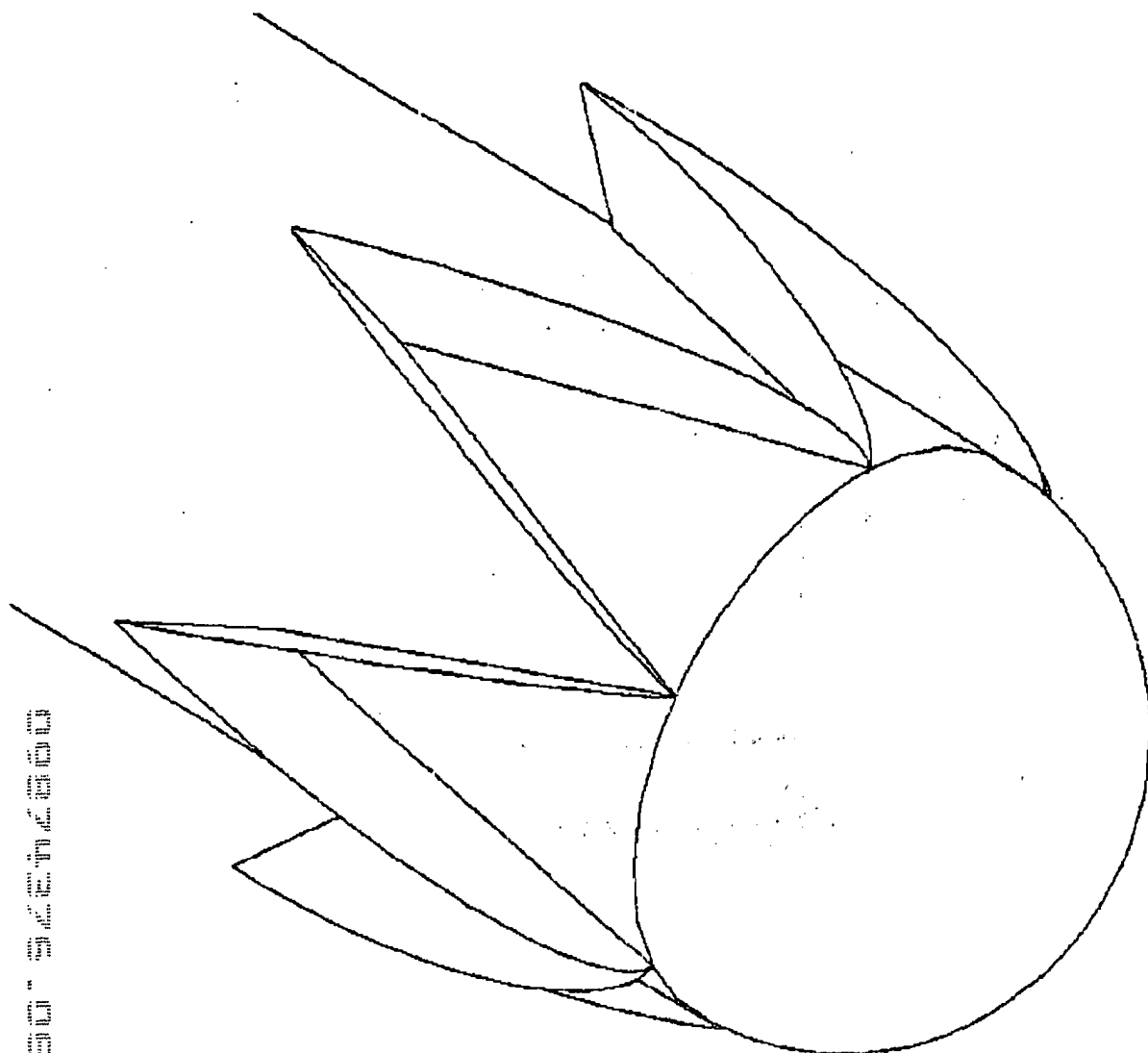


FIG. 16

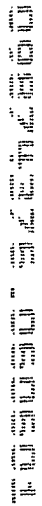


Figure 18a

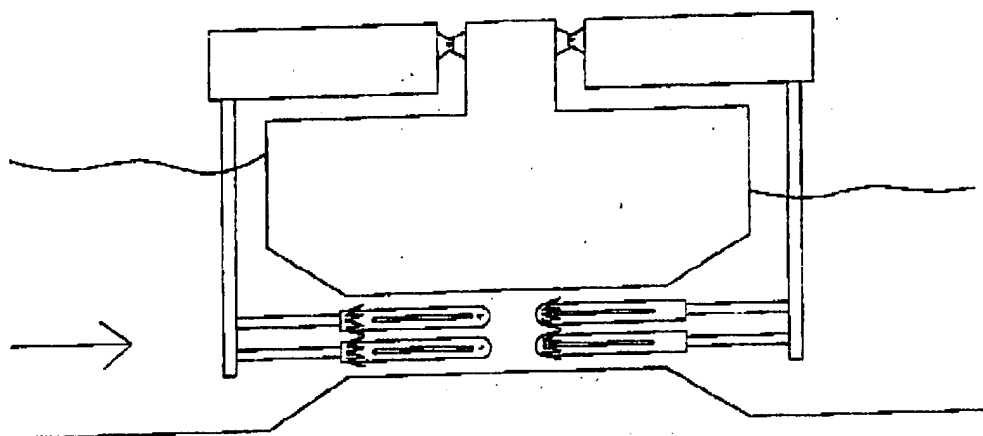


Figure 18b

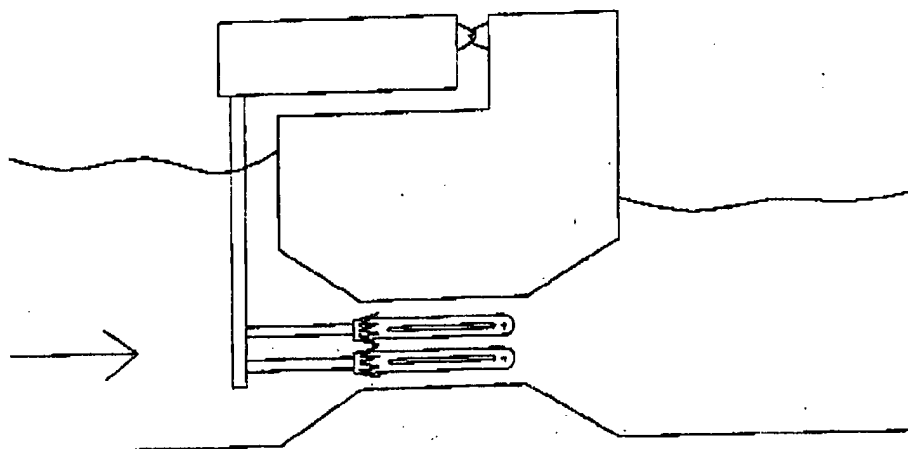


Figure 18c

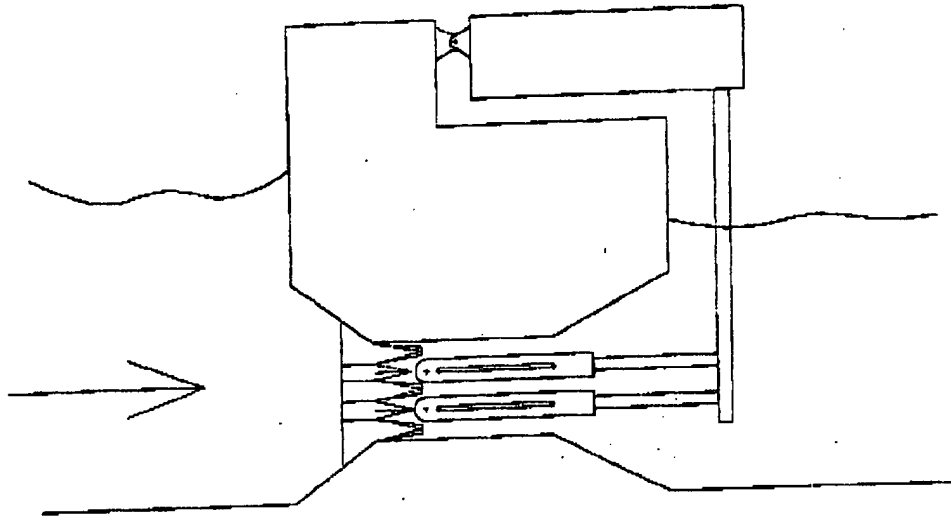


Figure 19

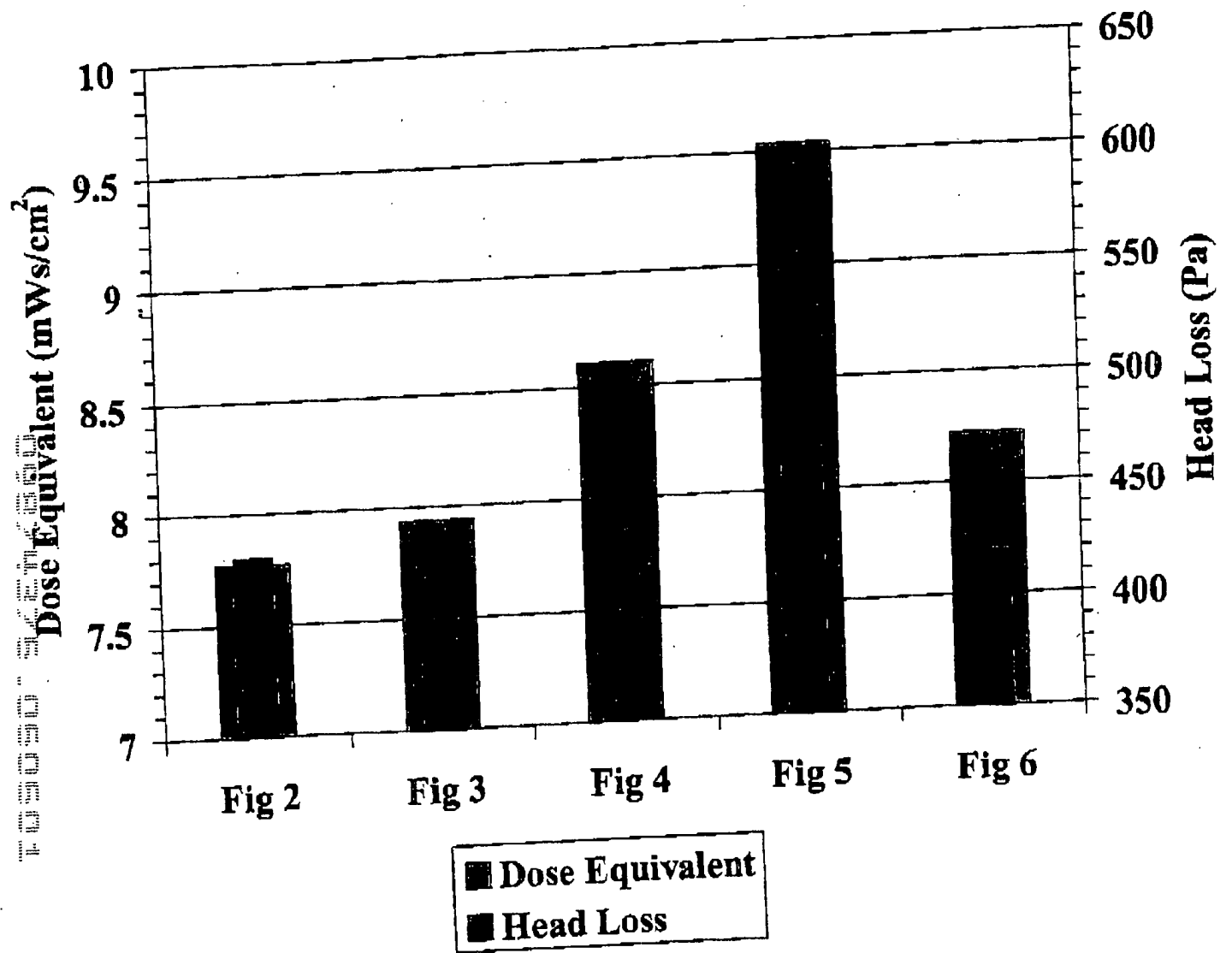


Figure 20

